

gitlab설치

Gitlab 설치 가이드

1. 설치파일 다운로드

```
$ curl -sS https://packages.gitlab.com/install/repositories/gitlab/gitlab-ce/script.rpm.sh | sudo bash
```

2. Gitlab config 설정(변경이 필요한 사항만 기재)

```
$> vi /etc/gitlab/gitlab.rb
#####
external_url 'http://{서버IP}:8080'

gitlab_rails['artifacts_path'] = "/opt/gitlab/gitlab-rails/shared/artifacts"
gitlab_rails['external_diffs_storage_path'] = "/opt/gitlab/gitlab-rails/shared/external-diffs"
gitlab_rails['lfs_enabled'] = true
gitlab_rails['lfs_storage_path'] = "/opt/gitlab/gitlab-rails/shared/lfs-objects"
gitlab_rails['backup_path'] = "/opt/gitlab/backups"
gitlab_rails['shared_path'] = '/opt/gitlab/gitlab-rails/shared'
gitlab_rails['dir'] = "/opt/gitlab/gitlab-rails"
gitlab_rails['uploads_directory'] = "/opt/gitlab/gitlab-rails/uploads"
gitlab_rails['redis_socket'] = "/opt/gitlab/redis/redis.socket"
gitlab_rails['registry_path'] = "/opt/gitlab/gitlab-rails/shared/registry"
gitlab_rails['registry_key_path'] = "/opt/gitlab/gitlab-rails/certificate.key"

registry['dir'] = "/opt/gitlab/registry"
registry['rootcertbundle'] = "/opt/gitlab/registry/certificate.crt"

gitlab_workhorse['listen_addr'] = "/opt/gitlab/gitlab-workhorse/socket"
gitlab_workhorse['auth_backend'] = "http://localhost:8080"
gitlab_workhorse['dir'] = "/opt/gitlab/gitlab-workhorse"

user['home'] = "/opt/gitlab"

unicorn['port'] = 8080
unicorn['socket'] = '/opt/gitlab/gitlab-rails/sockets/gitlab.socket'

puma['socket'] = '/opt/gitlab/gitlab-rails/sockets/gitlab.socket'

gitlab_shell['auth_file'] = "/opt/gitlab/.ssh/authorized_keys"
gitlab_shell['dir'] = "/opt/gitlab/gitlab-shell"

postgresql['port'] = 25432
postgresql['data_dir'] = "/opt/gitlab/postgresql/data"
postgresql['shared_buffers'] = "3GB"
postgresql['dir'] = "/opt/gitlab/postgresql"
postgresql['home'] = "/opt/gitlab/postgresql"

redis['enable'] = true
redis['dir'] = "/opt/gitlab/redis"
redis['maxclients'] = "20000"
redis['maxmemory'] = "128m"
redis['maxmemory_policy'] = "allkeys-lru"
redis['maxmemory_samples'] = "5"
redis['tcp_backlog'] = 511
redis['tcp_timeout'] = "120"
redis['tcp_keepalive'] = "300"

web_server['home'] = '/opt/gitlab/nginx'
nginx['dir'] = "/opt/gitlab/nginx"

gitlab_pages['dir'] = "/opt/gitlab/gitlab-pages"
```

```

gitlab_rails['pages_path'] = "/opt/gitlab/gitlab-rails/shared/pages"
gitlab_ci['builds_directory'] = '/opt/gitlab/gitlab-ci/builds'

mattermost['home'] = '/opt/gitlab/mattermost'
mattermost['file_directory'] = "/opt/gitlab/mattermost/data"
mattermost['plugin_directory'] = "/opt/gitlab/mattermost/plugins"
mattermost['plugin_client_directory'] = "/opt/gitlab/mattermost/client-plugins"

prometheus['home'] = '/opt/gitlab/prometheus'
prometheus['log_directory'] = '/var/log/gitlab/prometheus'
prometheus['rules_files'] = ['/opt/gitlab/prometheus/rules/*.rules']
prometheus['flags'] = {
  'storage.tsdb.path' => "/opt/gitlab/prometheus/data",
  'storage.tsdb.retention.time' => "15d",
  'config.file' => "/opt/gitlab/prometheus/prometheus.yml"
}

alertmanager['home'] = '/opt/gitlab/alertmanager'
alertmanager['flags'] = {
  'storage.path' => "/opt/gitlab/alertmanager/data",
  'config.file' => "/opt/gitlab/alertmanager/alertmanager.yml"
}

node_exporter['home'] = '/opt/gitlab/node-exporter'
node_exporter['flags'] = {
  'collector.textfile.directory' => "/opt/gitlab/node-exporter/textfile_collector"
}

redis_exporter['flags'] = {
  'redis.addr' => "unix:///opt/gitlab/redis/redis.socket",
}

postgres_exporter['home'] = '/opt/gitlab/postgres-exporter'

gitlab_exporter['home'] = "/opt/gitlab/gitlab-exporter"

grafana['home'] = '/opt/gitlab/grafana'

gitaly['dir'] = "/opt/gitlab/gitaly"
gitaly['env'] = {
  'PATH' => "/opt/gitlab/bin:/opt/gitlab/embedded/bin:/bin:/usr/bin",
  'HOME' => '/opt/gitlab'
}
gitaly['socket_path'] = "/opt/gitlab/gitaly/gitaly.socket"
gitaly['certificate_path'] = "/opt/gitlab/gitaly/certificate.pem"
gitaly['key_path'] = "/opt/gitlab/gitaly/key.pem"

storage_check['target'] = 'unix:///opt/gitlab/gitlab-rails/sockets/gitlab.socket'

letsencrypt['wwwroot'] = '/opt/gitlab/nginx/www'

gitlab_rails['packages_storage_path'] = "/opt/gitlab/gitlab-rails/shared/packages"
gitlab_rails['dependency_proxy_storage_path'] = "/opt/gitlab/gitlab-rails/shared/dependency_proxy"

```

3. Gitlab구성

```

$> gitlab-ctl reconfigure
...
$> gitlab-ctl status
run: alertmanager: (pid 53654) 128s; run: log: (pid 51389) 343s
run: gitaly: (pid 53701) 127s; run: log: (pid 50464) 435s
run: gitlab-exporter: (pid 53722) 127s; run: log: (pid 51157) 363s
run: gitlab-workhorse: (pid 53725) 127s; run: log: (pid 50986) 382s
run: grafana: (pid 53749) 126s; run: log: (pid 51725) 300s
run: logrotate: (pid 53765) 126s; run: log: (pid 51079) 373s
run: nginx: (pid 53773) 125s; run: log: (pid 51012) 381s
run: node-exporter: (pid 53781) 125s; run: log: (pid 51118) 369s
run: postgres-exporter: (pid 53788) 125s; run: log: (pid 51435) 339s

```

```
run: postgresql: (pid 53874) 124s; run: log: (pid 50596) 428s
run: prometheus: (pid 53883) 124s; run: log: (pid 51320) 349s
run: redis: (pid 53898) 123s; run: log: (pid 50307) 457s
run: redis-exporter: (pid 53973) 123s; run: log: (pid 51250) 357s
run: sidekiq: (pid 53987) 120s; run: log: (pid 50943) 386s
run: unicorn: (pid 53999) 119s; run: log: (pid 50895) 394s
```

4. redis socket 파일 위치 변경 (gitlab-ctl status 실행결과시 redis가 down되어 있는 경우 조치)

```
$> vi /opt/gitlab/redis/redis.conf
...
unixsocket /opt/gitlab/redis/redis.socket
...
```

5. gitlab 재시작 후 상태 확인

```
$> gitlab-ctl restart
$> gitlab-ctl status
run: alertmanager: (pid 13812) 32s; run: log: (pid 10837) 369s
run: gitally: (pid 13828) 31s; run: log: (pid 9829) 454s
run: gitlab-exporter: (pid 13851) 31s; run: log: (pid 10641) 388s
run: gitlab-workhorse: (pid 13862) 30s; run: log: (pid 10372) 410s
run: grafana: (pid 13878) 30s; run: log: (pid 11193) 334s
run: logrotate: (pid 13892) 30s; run: log: (pid 10493) 400s
run: nginx: (pid 13898) 29s; run: log: (pid 10425) 406s
run: node-exporter: (pid 13907) 29s; run: log: (pid 10532) 396s
run: postgres-exporter: (pid 13990) 28s; run: log: (pid 10911) 364s
run: postgresql: (pid 14000) 28s; run: log: (pid 9974) 446s
run: prometheus: (pid 14009) 27s; run: log: (pid 10769) 376s
run: redis: (pid 14024) 27s; run: log: (pid 9733) 460s
run: redis-exporter: (pid 14031) 27s; run: log: (pid 10695) 382s
run: sidekiq: (pid 14038) 26s; run: log: (pid 10323) 416s
run: unicorn: (pid 14050) 25s; run: log: (pid 10280) 421s
```

🕒Revision #1

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